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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,837	08/18/2006	Frederic Beun	MM6019PCT	2806
79681	7590	05/06/2010	EXAMINER	
David A. Einhorn, Esq. Baker & Hostetler LLP 45 Rockefeller Plaza New York, NY 10111			VAUGHAN, MICHAEL R	
			ART UNIT	PAPER NUMBER
			2431	
			NOTIFICATION DATE	DELIVERY MODE
			05/06/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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IPGNY@bakerlaw.com
dcipdocketing@bakerlaw.com
deinhorn@bakerlaw.com

Office Action Summary	Application No. 10/589,837	Applicant(s) BEUN ET AL.	
	Examiner MICHAEL R. VAUGHAN	Art Unit 2431	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 February 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-8,10-18 and 24-47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 5-8, 10-18, and 24-47 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The instant application having Application No. 10/589,837 is presented for examination by the examiner. Claims 2-4, 9, 19-23, and 48-53 have been cancelled. Claims 1, 5-8, 10-18, and 24-47 remain pending.

Response to Amendment

Claim Objections

Claim 31 is objected to because of the following informality:

There is a strikethrough in the word --cards--, yet the claim has a status of previously amended.

Claim Rejections - 35 USC § 112

The previous 112 rejections are rendered moot by the cancellation of claims 21-23 and 48-53.

Response to Arguments

Applicant's arguments with respect to claims 1, 29, 33, 39, and 42 have been considered but are moot in view of the new ground(s) of rejection.

It is noted that claim 36 was mistakenly referred to as a dependent claim in Applicant's remarks filed 2/18/10. The response was then void of any arguments as to

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the patentability of claim 36 with respect to the prior art. No limitations were added to claim 36. Therefore the 102 rejection of claims 36-38 must be maintained.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 36-38 are rejected under 35 U.S.C. 102(b) as being anticipated by USP 6,405,369, to Tsuria.

As per claim 36, Tsuria teaches a removable security interface including a non-volatile memory and designed to cooperate firstly with digital data reception equipment having a decoder and secondly, having and secondly with a plurality of conditional access control cards to manage access to digital data distributed by an operator, each access control card having a unique identifier and containing information about access rights of a subscriber to said digital data, with said removable security interface further comprising means for recording the identifier of each access control card in said non-volatile memory (col. 1, lines 61-65 and col. 3, lines 1-5), and at least one data processing algorithm for use by said decoder to activate or deactivate the pairing of the reception equipment to the controls cards (col. 7, lines 44-53).

As per claim 37, Tsuria teaches a PCMCIA card on which digital data descrambling software is installed (col. 1, lines 10-15).

As per claim 38, Tsuria teaches the removable security interface consists of a software module (col. 6, lines 50-54).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 5-8, 10-18, 24-35, and 39-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuria in view of USP 7,457,967 to Cocchi et al., hereinafter Cocchi.

As per claim 1, Tsuria teaches a method for an operator to dynamically and remotely control the pairing of digital data reception equipment (2) with one or more external security modules (6, 8) each having a unique identifier (col. 3, lines 3-15) and with each security module being adapted to cooperate with said digital data reception equipment for controlling reception of distributed data by means of said digital data reception equipment and with the digital data reception equipment having a computer

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and stored program [decoder and programmed for activation; col. 7, lines 35-38], method comprising the following steps (col. 1, lines 54-65):

using the computer to verify whether or not the identifier of said external security modules is memorized in the digital data reception equipment upon connection of said external security modules to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53],

if the unique identifier of the external security modules is memorized in the digital data reception equipment, transmitting a control signal to the digital data reception equipment defining configuration parameters to activate the pairing of the said digital data reception equipment with said external security modules [chaining data; col. 7, lines 45-48];

if the unique identifier of the external security modules is not memorized in the digital data reception equipment, transmitting a control signal to the digital data reception equipment defining configuration parameters to deactivate the pairing of the said digital data reception equipment with said external security modules [inherent that if the smart card's signature is not validated, there will be no pairing; col. 5, lines 15-18 and col. 7, lines 45-48]; wherein

said configuration parameters include at least one of the following set values: - authorize memorization, - prohibit memorization, - erase identifiers previously memorized in the reception equipment (2), - activate or deactivating the check phase (col. 3, lines 27-31) including a procedure consisting of disturbing the data processing if

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the identifier of the connected external security module (6, 8) is not previously memorized in the reception equipment (col. 5, lines 10-15).

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 5, Tsuria teaches that said signal also includes the maximum allowable number of memorized identifiers (col. 9, lines 5-8).

As per claim 6, Tsuria teaches signal includes a reconfiguration set value through which an updated list of identifiers of external security modules (6, 8) matched with the reception equipment(2) is transmitted to said reception equipment (col. 7, lines 29-35).

As per claim 7, Tsuria teaches list is transmitted directly to the reception equipment (col. 6, lines 55-59).

As per claim 8, Tsuria teaches list is transmitted through an external security module (6, 8) connected to said reception equipment (col. 6, lines 40-45).

As per claim 10, Tsuria teaches data are distributed without encryption or scrambled by an encrypted control word and in that each external security module (6, 8) includes access rights to said data and a decryption algorithm for said control word (col. 5, line s35-40).

As per claim 11, Tsuria teaches said signal is transmitted to a reception equipment (2) in an EMM message specific to an 25 external security module (6, 8) associated with this reception equipment (col. 6, lines 55-60).

As per claim 12, Tsuria teaches a signal is transmitted to a reception equipment (2) in an EMM message specific to this reception equipment (col. 6, lines 55-60).

As per claim 13, Tsuria teaches a given reception equipment (2) said list is transmitted in an EMM message specific to a security module (6, 8) associated with this reception equipment (col. 6, lines 55-60).

As per claim 14, Tsuria teaches a signal is transmitted to a group of reception equipment (2) in an EMM message specific to a group of external security modules (6, 8) associated with said reception equipment (col. 6, lines 55-60).

As per claim 15, Tsuria teaches signal is transmitted to a group of reception equipment (2) in an EMM message specific to said group of reception equipment (col. 6, lines 55-60).

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As per claim 16, Tsuria teaches a given group of reception equipment (2), said list is transmitted in an EMM message specific to a group of external security modules (6, 8) associated with said reception equipment (col. 6, lines 55-60).

As per claim 17, Tsuria teaches said check signal is transmitted in a private flow processed by a dedicated software executable in each reception equipment as a function of the identifier of the external security module associated with said reception equipment (col. 6, lines 55-60).

As per claim 18, Tsuria teaches a given group of reception equipment (2), said list is transmitted in a private flow to each reception equipment (col. 6, lines 55-60).

As per claim 24, Tsuria teaches identifiers of external security modules (6, 8) are grouped in an encrypted list (col.2, lines 29-30).

As per claim 25, Tsuria teaches reception equipment (2) includes a decoder and the external security module (6, 8) includes an access control card (6) in which information about access rights of a subscriber to digital data distributed by an operator is memorized, and in that matching is done between said decoder and said card (6). (col. 2, lines 46-50).

As per claim 26, Tsuria teaches that the reception equipment (2) includes a decoder and the external security module (6, 8) includes a removable security interface (8) provided with a non-volatile memory that can cooperate firstly with the decoder, and secondly with a plurality of conditional access control cards (6) to manage access to digital data distributed by an operator, and in that matching is done between said

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decoder and said removable security interface (col. 1, lines 55-60 and col. 2, lines 45-55).

As per claim 27, Tsuria teaches the reception equipment (2) includes a decoder provided with a removable security interface (8) with a non-volatile memory that can cooperate firstly with said decoder, and secondly with a plurality of conditional access control cards (6), and in that matching is done between said removable security interface (8) and said access control cards (col. 2, lines 45-55).

As per claim 28, Tsuria teaches the data are audiovisual programs (col. 1, line 50).

As per claim 29, Tsuria teaches a digital data reception equipment for pairing to one or more external security modules (6, 8) each having an unique identifier [signature] to manage access to digital data distributed by an operator (col. 1, lines 61-65 and col. 3, lines 1-5), comprising means for executing a computer program in a readable medium for:

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53] ,

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security

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modules (6, 8) is already memorized in the digital data reception equipment (2)

[chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 30, Tsuria teaches it comprises a decoder and in that the external security module (6, 8) is an access control card (6) containing information about access

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rights of a subscriber to said digital data, matching being done between said decoder and said card (col. 2, lines 45-55).

As per claim 31, Tsuria teaches a decoder and in that the external security module (6, 8) is a removable security interface (8) provided with a non-volatile memory and that is designed to cooperate firstly with said decoder, and secondly with a plurality of conditional access control cards (6), to manage access to said digital data, matching being done between said decoder and said removable security interface (col. 1, lines 55-60 and col. 2, lines 45-55).

As per claim 32, Tsuria teaches a decoder provided with a removable security interface (8) with a non-volatile memory and that is designed to cooperate firstly with said decoder and secondly with a plurality of conditional access control cards (6) and in that matching is done between said removable security interface (8) and said access control cards (col. 2, lines 45-55).

As per claim 33, Tsuria teaches a decoder that can cooperate with a plurality of external security modules (6, 8) to manage access to audiovisual programs distributed by an operator, each external security module (6, 8) having a unique identifier and including at least one data processing algorithm, with said decoder in comprising means responsive to said processing algorithm for executing orders sent by the operator for:

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second

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card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53] ,

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

For the record, “a decoder that can” implies intended use, not functional descriptive material.

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected

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content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 34, Tsuria teaches external security modules (6, 8) are access control cards (6) in which information about access rights of a subscriber to digital data distributed by an operator are stored (col. 2, line 38).

As per claim 35, Tsuria teaches external security modules (6, 8) are removable security interfaces (8) including a non-volatile memory that can cooperate firstly with the decoder and secondly with a plurality of conditional access control cards (6) to manage access to digital data distributed by an operator (col. 6, lines 52-60).

As per claim 39, Tsuria teaches an executable computer program stored in a computer readable medium of a digital data reception equipment (2) that can cooperate with a plurality of external security modules (6, 8) each having a unique identifier and in which information about access rights of a subscriber to digital data distributed by an operator are stored, said digital data reception equipment comprising a computer for executing said executable computer program includes instructions for:

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53] ,

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activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

For the record, “an executable computer program ... that can” implies intended use rather than functional descriptive material.

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security

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module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 40, Tsuria teaches instructions to locally generate matching control parameters of the reception equipment (2) with an external security module (6, 8) as a function of a signal transmitted to said reception equipment (2) by the operator (col. 6, lines 55-60).

As per claim 41, Tsuria teaches instructions intended to check if the identifier of said external security module (6, 8) is memorized in the reception equipment (2), at each later use of an external security module (6, 8) with the reception equipment (col. 3, lines 15-20).

As per claim 42, Tsuria teaches a system comprising a management platform and a digital data reception equipment (2) connected to services broadcasting network, for communication with the digital data reception equipment and with the digital data reception equipment (2) being paired with a plurality of external security modules (col. 1, lines 61-65 and col. 3, lines 1-5), each having a unique identifier wherein the system further comprises:

a first module arranged in said commercial management platform (1) for generating matching queries (col. 3, lines 15-20),

a second module arranged in said digital data reception equipment (2)

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that will process the generated queries from the first module to prepare a pairing configuration to control said pairing (col. 3, lines 20-35), using pairing control parameters generated by a computer in said digital data reception equipment based upon [chaining data]

verifying whether or not the identifier in said external security modules (6, 8) is already memorized in the digital data reception equipment (2) upon connection of said external security modules (6, 8) to the digital data reception equipment [second card is inserted in to the receiver to validate and identify the signature of said second card; col. 7, lines 44-53] ,

activating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier of the external security modules (6, 8) is already memorized in the digital data reception equipment (2) [chaining data; col. 7, lines 45-48] and

deactivating the pairing of said digital data reception equipment (2) with said external security modules (6, 8) if the unique identifier in the external security modules (6, 8) is not already memorized in the digital data reception equipment (2) [inherent that if the smart card's signature is not validated, there will be no pairing; col. 7, lines 45-48].

With respect to the claim, Tsuria fails to teach transmitting an updated list of external security module identifiers to the digital data reception equipment. Cocchi teaches transmitting an updated list of external security module identifiers to the digital data reception equipment (col. 11, lines 37-57). Tsuria teaches that once a time

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expiration has occurred the smart cards will not decode the content. Cocchi teaches another reason why decoding may be prevented. Cocchi teaches that security modules that have been comprised/hacked/cloned can be blacklisted to prevent them from decoding protected content (col. 11, lines 28-35). As such it is advantageous to prevent security modules that have been compromised from successfully decoding protected content. Cocchi teaches a way of doing this by sending updated list external security module identifiers. The claim is obvious because one of ordinary skill in the art can combine known methods which produce predictable results.

As per claim 43, Tsuria teaches said signal is transmitted to a reception equipment (2) in an EMM message specific to an 25 external security module (6, 8) associated with this reception equipment (col. 6, lines 55-60).

As per claim 44, Tsuria teaches a signal is transmitted to a reception equipment (2) in an EMM message specific to this reception equipment (col. 6, lines 55-60).

As per claim 45, Tsuria teaches a signal is transmitted to a group of reception equipment (2) in an EMM message specific to a group of external security modules (6, 8) associated with said reception equipment (col. 6, lines 55-60).

As per claim 46, Tsuria teaches signal is transmitted to a group of reception equipment (2) in an EMM message specific to said group of reception equipment (col. 6, lines 55-60).

As per claim 47, Tsuria teaches said check signal is transmitted in a private flow processed by a dedicated software executable in each reception equipment as a

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function of the identifier of the external security module associated with said reception equipment (col. 6, lines 55-60).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **MICHAEL R. VAUGHAN** whose telephone number is (571)270-7316. The examiner can normally be reached on Monday - Thursday, 7:30am - 5:00pm, EST. If attempts to reach the examiner by telephone are unsuccessful, the

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examiner's supervisor, William Korzuch can be reached on 571-272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. R. V./

Examiner, Art Unit 2431

/William R. Korzuch/

Supervisory Patent Examiner, Art Unit 2431